

Atty. Docket No.: P65141US0  
Serial No.: 09/508,095

(SEQ ID NO: 19),

R<sub>1</sub>-GRRRSVQWC~~A~~VSQPEATKCFQWQRNMRKVRGPPVSCI~~K~~RDSPIQC~~I~~QA-R,

(SEQ ID NO: 20),

R<sub>1</sub>-VYQHQKAMPKPWIQP~~K~~TKV~~I~~P~~V~~RYL-R<sub>2</sub> (SEQ ID NO: 21), R<sub>1</sub>-ARRARVVWA~~A~~VG-R<sub>2</sub>

(SEQ ID NO: 22),

R<sub>1</sub>-CAVGGGCIAL-R<sub>2</sub> (SEQ ID NO: 23),

R<sub>1</sub>-RHTRKYWCRQGARGGCITL-R<sub>2</sub> (SEQ ID NO: 24),

wherein

R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, and R<sub>4</sub> are optionally present,

R<sub>1</sub>, R<sub>3</sub> independently represents an amino acid or a peptide containing up to 100 amino acids, and

R<sub>2</sub>, R<sub>4</sub> independently represents CONH<sub>2</sub> an amino acid, or a peptide containing up to 100 amino acids;

and the amided acetylated, sulfated, phosphorylated, glycosylated, oxidized derivatives or fragments thereof having bifidogenic properties.

#### IN THE CLAIMS

Cancel claims 6-12, without prejudice or disclaimer, and add the following claims.

② 13. Peptides obtainable by:

- adding proteases to cow's milk or human milk, followed by incubation for two hours;
- centrifugation to remove milk fat;
- acidification to a pH of 2.0 with strong acids;
- removing the precipitated proteins;
- application of at least one reverse phase HPLC step;
- application of a cation-exchange HPLC step;